

IN THE SPECIFICATION

Please insert the following new paragraph at page 1, before line 10:

B2

--BACKGROUND OF THE INVENTION--.

✓

Please insert the following new paragraph at page 1, after the above

insertion:

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--Field of the Invention--.

✓

Please insert the following new paragraph at page 1, after line 11 and before

line 12:

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--Description of Related Art--.

✓

Please insert the following new paragraph at page 1, after line 23 and before

line 24:

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--SUMMARY OF THE INVENTION--.

✓

Please insert the following new paragraph at page 4, after line 3 and before

line 4:

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--BRIEF DESCRIPTION OF THE DRAWINGS--.

Please amend the paragraph at page 4, lines 4-29, as follows:

--The characteristics and advantages of the present invention will emerge more clearly from a reading of a preferred embodiment illustrated by the accompanying drawings, in which:

= Figure 1 depicts schematically a data processing device according to the invention,

= Figure 2 depicts an embodiment of a data processing device according to the invention,

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= Figure 3 depicts an embodiment of a data processing device according to the invention,

= Figure 4 depicts an embodiment of a coding circuit according to the invention included in the device of Figure 2,

= Figure 5 depicts a memory module included in the coding circuit of Figure 4,

= Figure 6 depicts a part of an image to be coded according to the invention,

= Figure 7 depicts a vertical filtering module included in the coding circuit of Figure 4,

= Figure 8 depicts a horizontal filtering module included in the coding circuit of Figure 4,

= Figure 9 depicts a buffer module included in the coding circuit of Figure 4,

= Figure 10 depicts data stored in the buffer ~~module~~ memory of Figure 8 9,

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Cont.

4, and

= Figure 11 depicts a buffer module included in the coding circuit of Figure

= Figure 12 depicts a data coding algorithm according to the invention.

✓
Please insert the following new paragraph at page 5, before line 1:

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--DETAILED DESCRIPTION OF THE INVENTION--.
